

ANKYRIN (PFAM00023) 6TMS (PFAM00520)

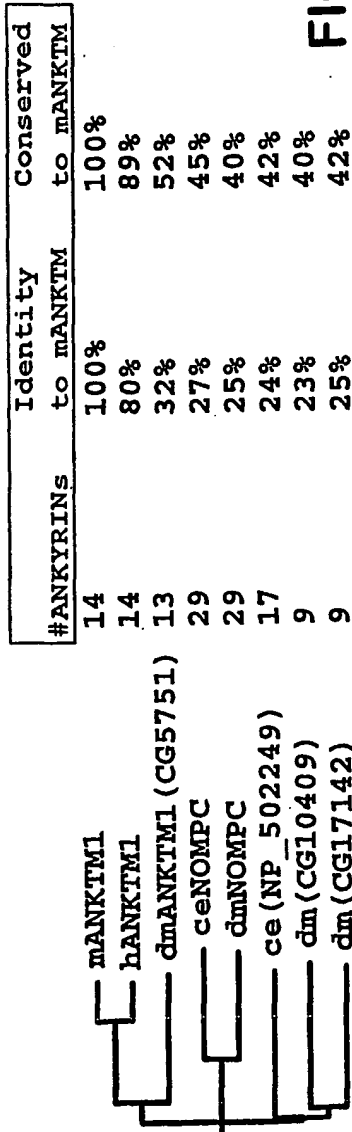
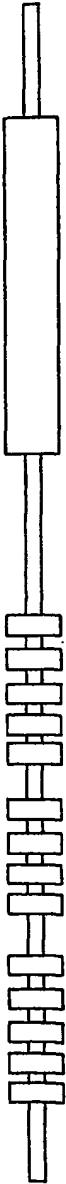


FIG. 1A

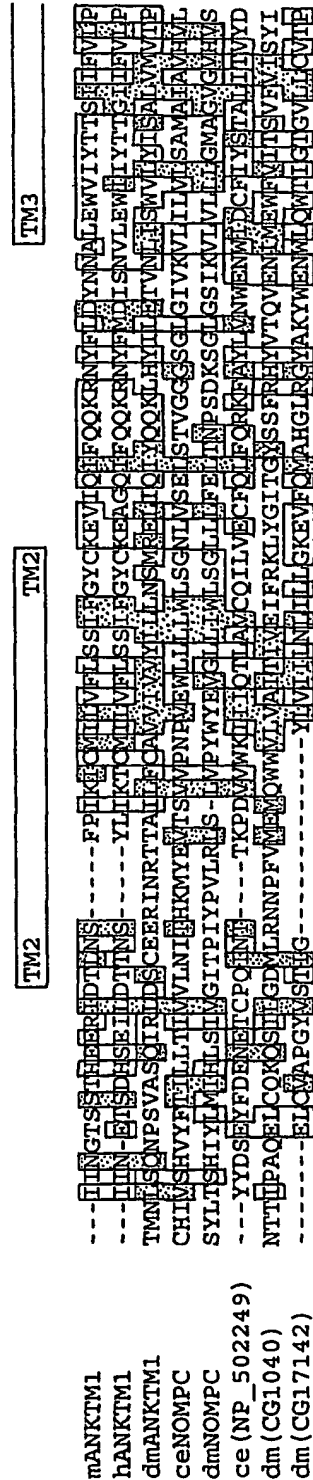
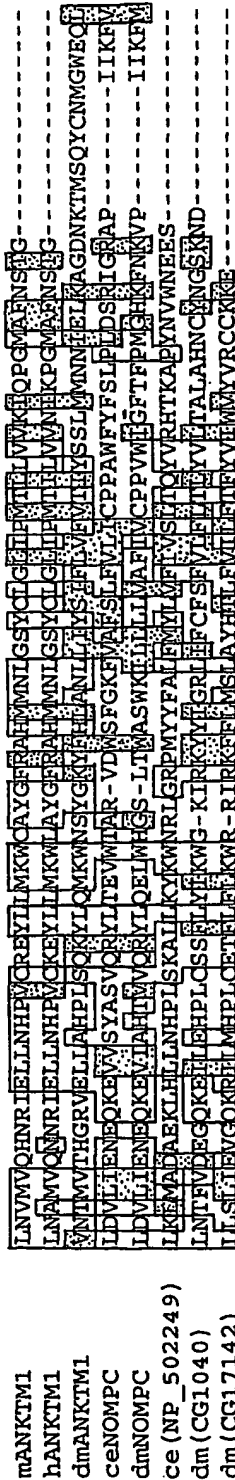


FIG. 1B-1

TM3  
 TM4  
 TM5  
 mANKTM1  
 hANKTM1  
 dmANKTM1  
 ceNOMPC  
 dmNOMPC  
 ce (NP\_502249)  
 dm (CG1040)  
 dm (CG17142)

TM5  
 mANKTM1  
 hANKTM1  
 dmANKTM1  
 ceNOMPC  
 dmNOMPC  
 ce (NP\_502249)  
 dm (CG1040)  
 dm (CG17142)

TM6  
 mANKTM1  
 hANKTM1  
 dmANKTM1  
 ceNOMPC  
 dmNOMPC  
 ce (NP\_502249)  
 dm (CG1040)  
 dm (CG17142)

FIG. 1B-2

A

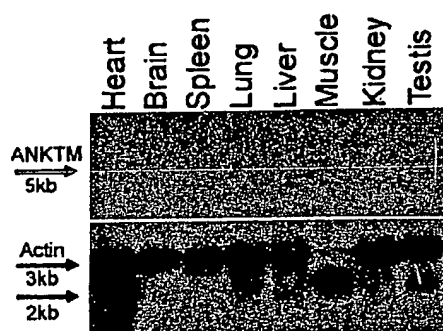


FIG. 2A

B

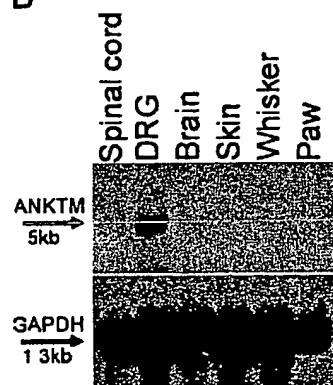


FIG. 2B

4/10

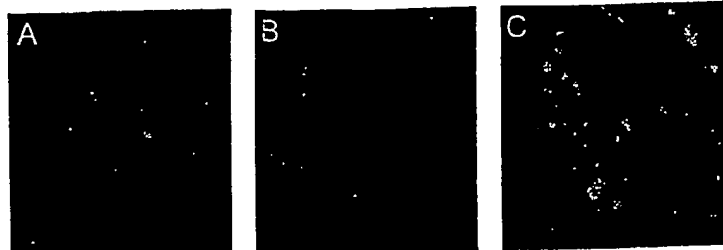


FIG. 3A FIG. 3B FIG. 3C

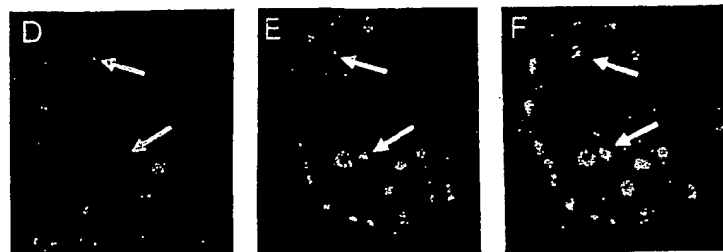


FIG. 3D FIG. 3E FIG. 3F

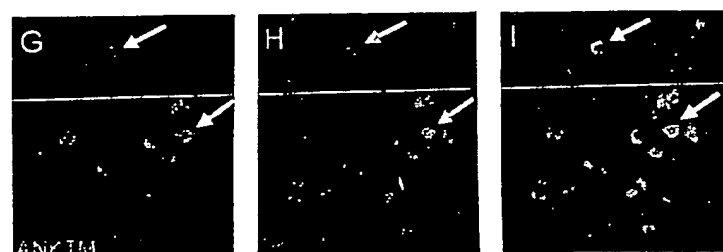


FIG. 3G FIG. 3H FIG. 3I

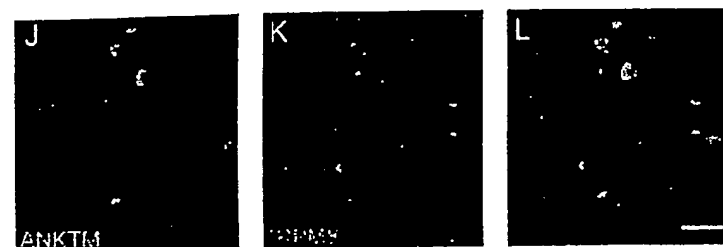


FIG. 3J FIG. 3K FIG. 3L

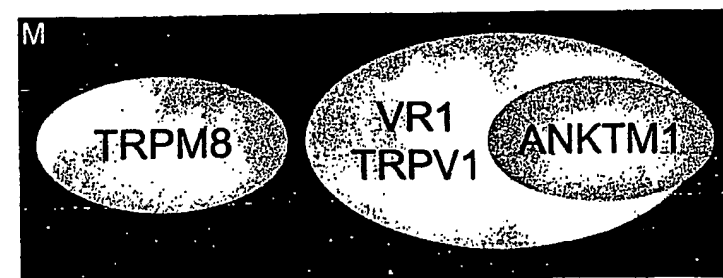


FIG. 3M

5/10

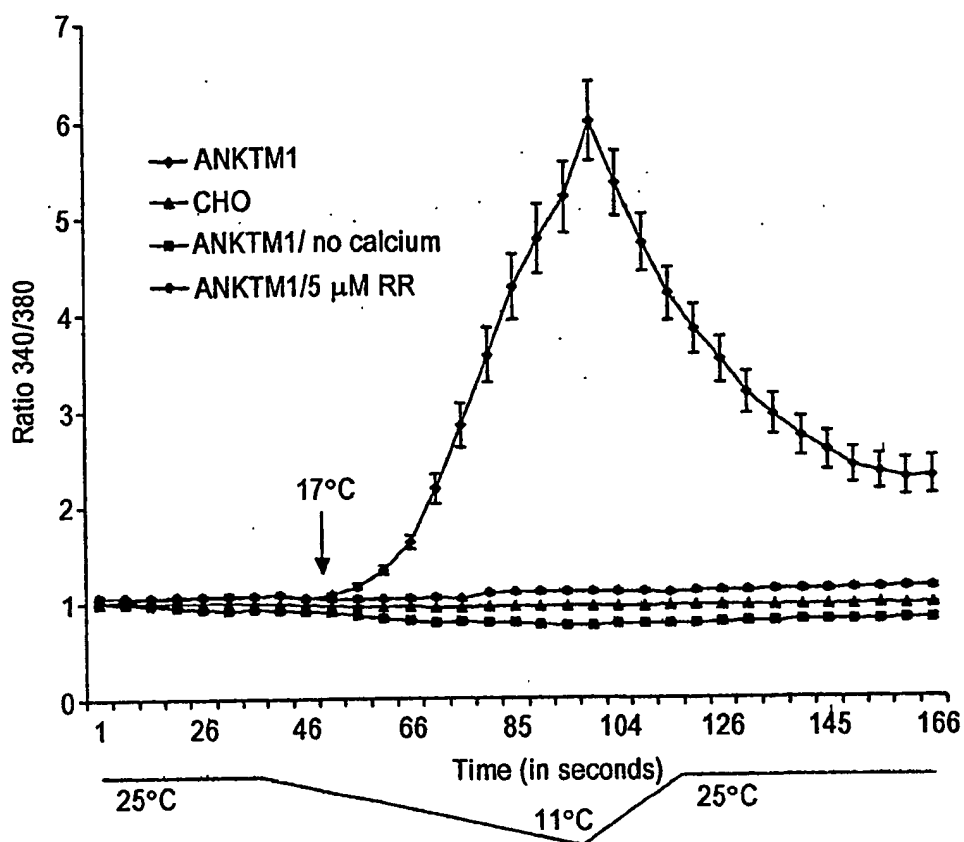


FIG. 4A

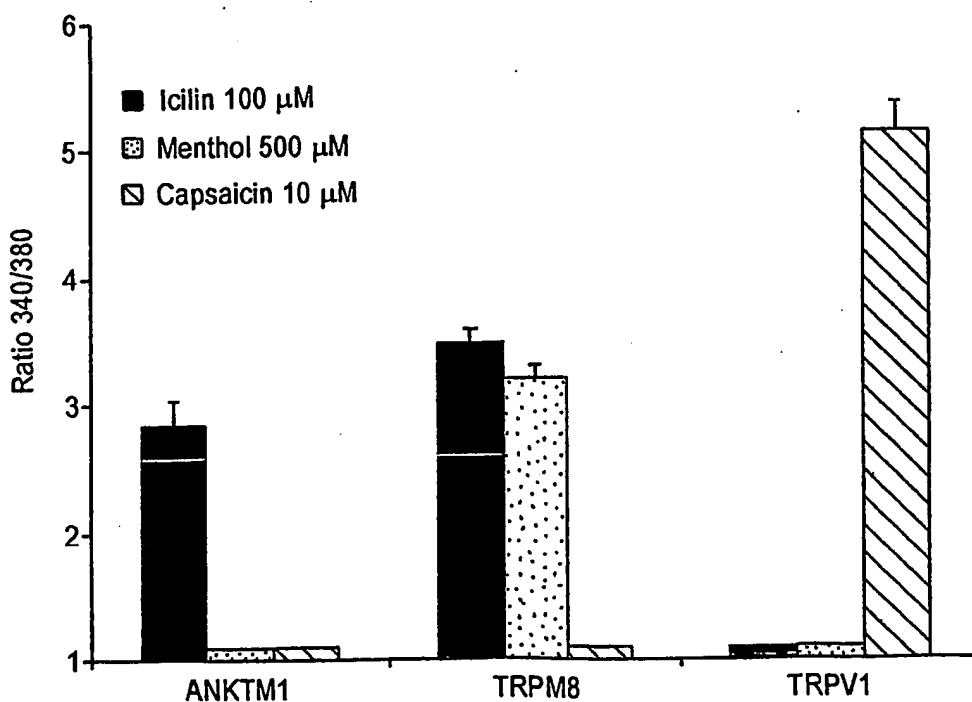


FIG. 4B

6 / 10

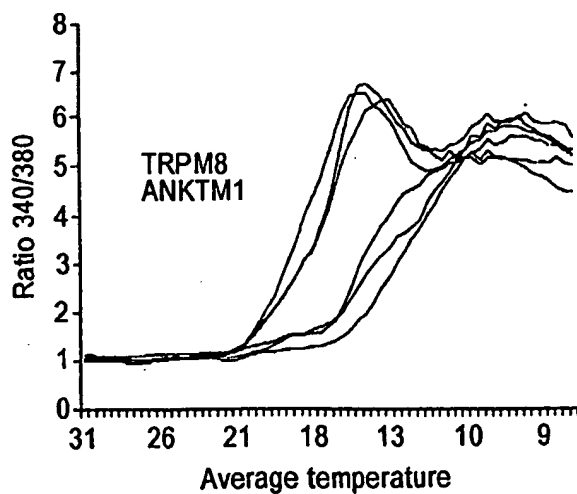
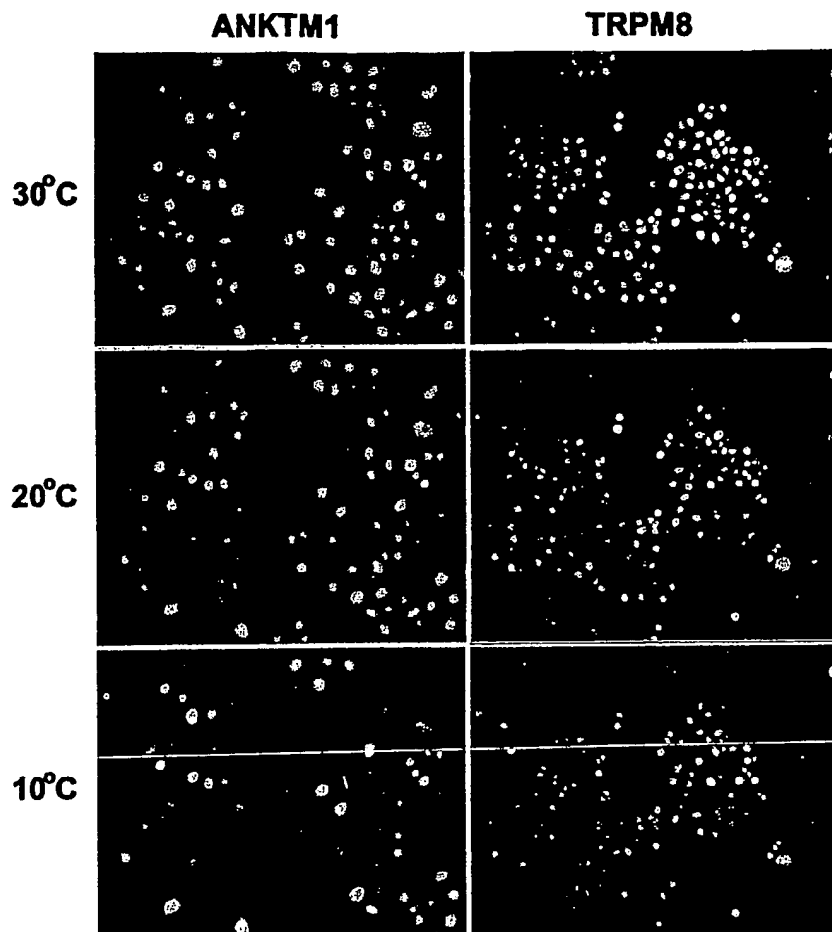


FIG. 5

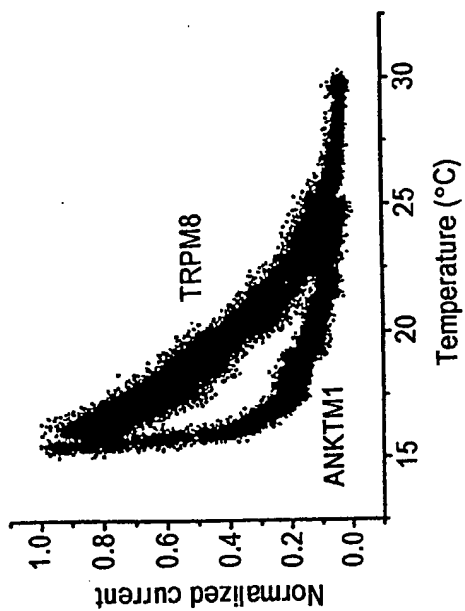


FIG. 6B

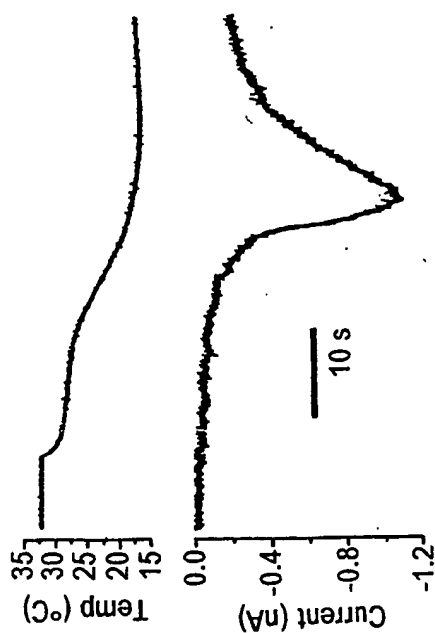


FIG. 6A

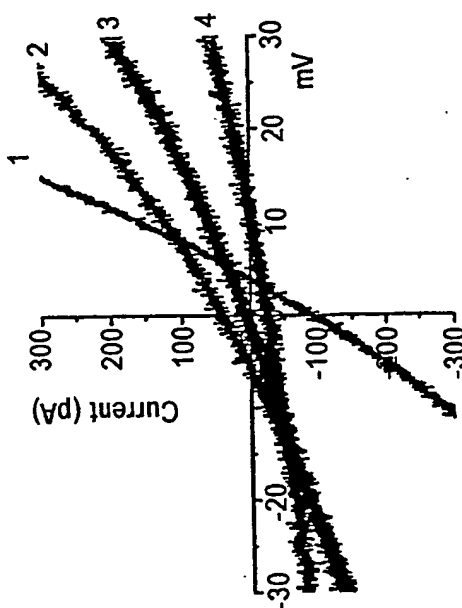


FIG. 6D

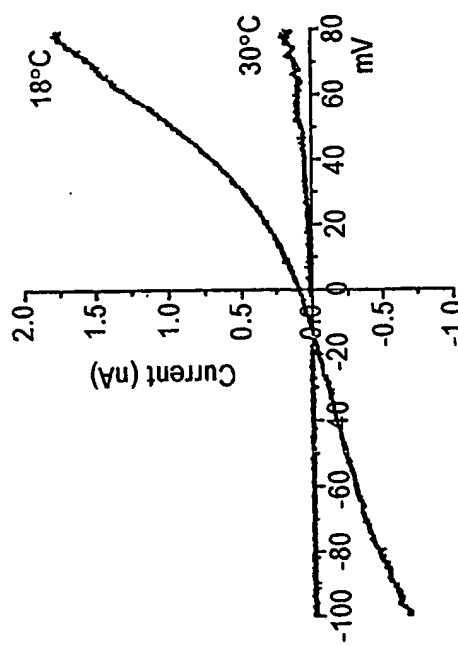


FIG. 6C

8/10.

FIG. 7A

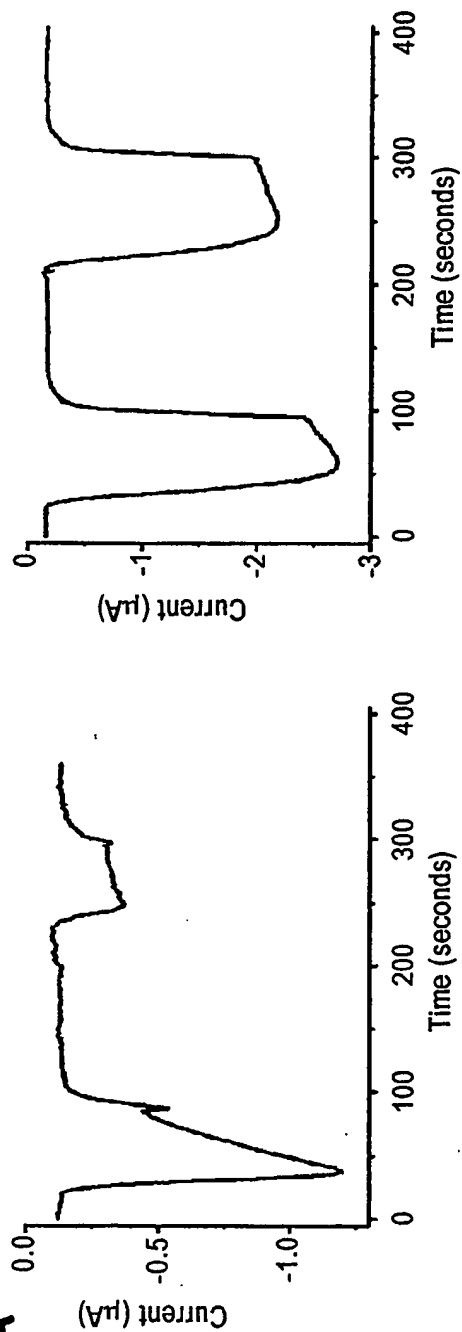
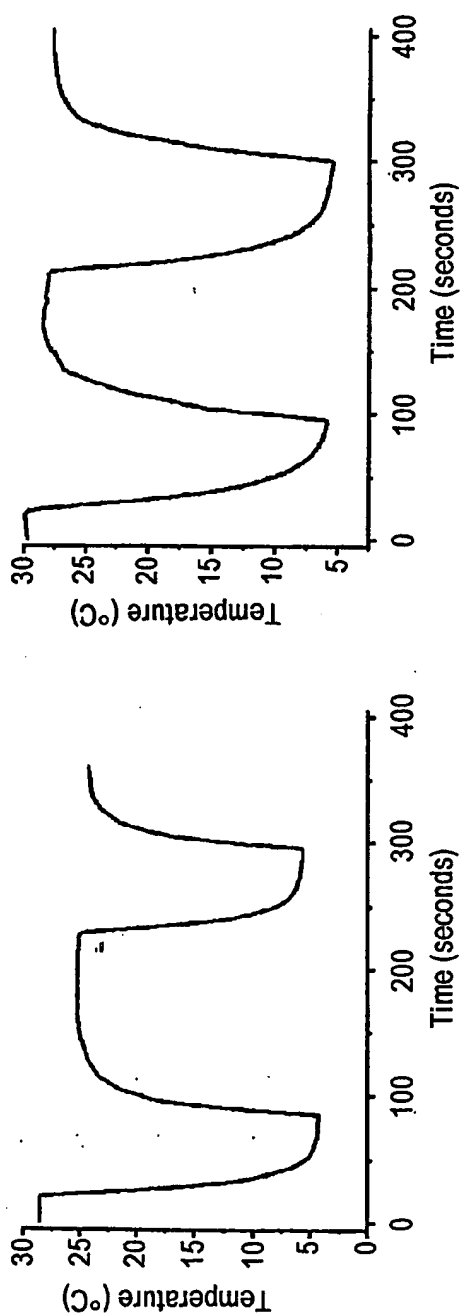


FIG. 7B





mANKTM1 cds, 3.378 kb:

ATGAAGCGCGGCTTGAGGAGGATTCTGCTCCCGGAGGAAAGGAAGGAGGTC  
CAGGGCGTTGTCTATCGCGGCGTCGGGGAAGACATGGACTGCTCCAAGGAAT  
CCTTTAAGGTGGACATTGAAGGAGATATGTGTAGATTAGAAGACTTCATCAA  
GAACCGAAGAAAATAAGCAAATATGAGGATGAAAATCTCTGTCCTCTGCAT  
CACGCAGCAGCAGAAGGTCAAGTTGAACTGATGGAAGTATCATCAATGGTT  
CTTCGTGTGAAGTGCTGAATATAATGGATGGTTATGGAAATACCCCACTGCAT  
TGTGCTGCAGAAAAAATCAAGTTGAAAGTGTAAGTTTCTTCTCAGCCAAG  
GAGCAAATCCAAACCTCCGAAATAGAAACATGATGTCACCCCTTCACATAGC  
TGTGCATGGCATGTACAACGAAGTGATCAAGGTGTTGACTGAGCACAAGGCC  
ACTAACATCAATTTAGAAGGAGAGAATGGGAACACGGCTTTGATGTCCACGT  
GTGCCAAAGACAACAGTGAAGCTTTGCAAATTTTGTAGAAAAAGGAGCTAA  
GCTGTGTAAATCAAATAAGTGGGGGAGACTACCCTGTGCACCAGGCAGCATTT  
TCAGGTGCCAAAAAATGCATGGAATTAATCTTAGCATATGGTGAAAAGAACG  
GCTACAGCAGGGAGACTCACATTAATTTTGTGAATCACAAGAAAGCCAGCCC  
TCTCCACCTAGCAGTTCAAAGCGGAGACTTGGACATGATTAAGATGTGCCTG  
GACAACGGTGACACATCGACATGATGGAGAATGCCAAATGCATGGCCCTCC  
ATTTTGCTGCAACCCAGGGAGCCACTGACATCGTTAAGCTCATGATCTCATCC  
TATACCGGAAGTAGTGATATTGTGAATGCAGTTGATGGCAATCAGGAGACCC  
TGCTTCACAGAGCCTCGTTATTTGATCACCATGACCTGGCAGAATACCTAATA  
TCAGTGGGAGCAGACATCAACAGCACTGATTCTGAAGGACGCTCTCCACTTA  
TTTTAGCAACAGCTTCTGCATCCTGGAACATTGTGAATTTGCTCCTCTGTAAA  
GGTGCCAAAGTAGACATAAAAGATCATCTTGGACGTAACCTTTTTGCATTTGAC  
TGTGCAGCAGCCTTATGGACTAAGAAATTTGCGGCCTGAGTTTATGCAGATG  
CAACACATCAAAGAGCTGGTGATGGATGAAGACAATGATGGATGCACACCTC  
TCCATTATGCCTGTAGGCAGGGGGTTCTGTCTCTGTAAATAACCTCCTTGGC  
TTCAATGTGTCCATTATAGCAAAAAGTAAAGATAAGAAGTCGCCCCCTGCATTT  
TGCAGCCAGTTATGGGCGCATCAATACATGTCAGAGACTTCTGCAAGACATA  
AGTGATACGAGGCTTTTGAATGAAGGGGATCTCCATGGGATGACCCCTCTCC  
ACCTGGCAGCAAAAAAATGGGCATGATAAAGTCGTTCAACTCCTTCTGAAGAA  
AGGGGCCTTATTTCTCAGTGACCACAATGGCTGGACTGCTTTGCATCACGCCT  
CCATGGGTGGGTACACTCAGACCATGAAGGTCATTCTTGATACTAACTTGAA  
ATGCACAGACCGACTAGATGAAGAAGGGAACACAGCACTCCACTTTGCAGCA  
CGGGAAGGCCATGCCAAGGCTGTTGCAATGCTTTTGAGCTACAATGCTGACA  
TCCTCCTGAACAAGAAGCAAGCTTCTTTCTGCATATTGCCCTGCACAATAAG  
CGCAAGGAAGTGTTCTCACAACCATCAGAAATAAAAGATGGGATGAGTGTC  
TTCAAGTTTTCACTCATAATTCTCCAAGCAATCGATGTCCAATCATGGAGATG  
GTAGAATACCTCCCCGAGTGATGAAAGTTCTTTTAGATTTCTGCATGATACC  
TTCCACAGAAGACAAGTCCTGTCAAGACTACCATATTGAGTATAATTTCAAGT  
ATCTCCAATGCCCATTATCCATGACCAAAAAAGTAGCACCTACCCAGGATGT  
GGTATATGAGCCTCTTACAATCCTCAATGTCATGGTCCAACATAACCGCATAG

**FIG. 8A**

AACTCCTCAACCACCTGTGTGTAGGGAGTACTTACTCATGAAATGGTGTGCC  
TATGGATTGAGAGCCCATATGATGAACCTAGGATCTTATTGTCTTGGTCTCAT  
ACCCATGACCCTTCTTGTTGTCAAATACAGCCTGGAATGGCCTTCAATTCTA  
CTGGAATAATCAATGGAAGTAGTAGTACTCATGAGGAAAGAATAGACACTCT  
GAATTCATTTCCAATAAAAAATATGTATGATTCTAGTTTTTTTATCAAGTATATT  
TGGATATTGCAAAGAAGTGATCCAAATTTTCCAACAGAAAAGGAATTACTTC  
CTGGATTACAACAATGCTCTGGAATGGGTATCTATACAAGTAGTATCATCTT  
CGTGTGGCCCTTGTTCCCTCAACATCCCAGCGTATATGCAGTGGCAATGTGGAG  
CAATAGCGATATTCTTCTACTGGATGAACCTTCTACTGTATCTTCAAAGGTTT  
GAGAACTGTGGAATTTTCATTGTTATGTTGGAGGTGATTTTTAAACATTGCT  
GAGATCGACCGGAGTGTTTATCTTCCCTCTACTGGCTTTTGGCCTCAGCTTTTA  
TGTTCTCCTGAATTTCCAAGATGCCTTCAGCACCCCATTTGCTTTCCTTAATCCA  
GACATTCAGTATGATGCTAGGAGACATCAATTATCGAGATGCCTTCCTAGAA  
CCATTGTTTAGAAATGAGTTGGCATACCCAGTCCCTGACCTTTGGGCAGCTTAT  
TGCCTTCACAATGTTTGTCCCAATTGTTCTCATGAACTTACTGATTGGCTTGGC  
GGTTGGGGACATTGCTGAGGTCCAGAAGCATGCGTCATTGAAGAGGATTGCT  
ATGCAGGTGGAACCTTCATACCAACTTAGAAAAAAGCTGCCACTCTGGTACT  
TACGCAAAGTGGATCAGAGGTCCACCATCGTGTATCCAAATAGACCCAGGCA  
CGGCAGGATGCTACGGTTTTTTTCACTTTCTTAATATGCAAGAAACACGAC  
AAGAAGTACCAAACATTGACACATGCTTGGAAATGGAAATATTGAAACAGAA  
ATATCGGCTGAAGGACCTCACTTCCCTCTTGGAAAAGCAGCATGAGCTCATC  
AAACTCATCATCCAGAAGATGGAGATCATCTCAGAGACAGAAGATGAAGATA  
ACCATGCTCTTTCCAAGACAGGTTCAAGAAGGAGAGGCTGGAACAGATGCA  
CAGCAAGTGGAATTTTGTCTTAAACGCAGTTAAGACTAAAACACATTGTTCTA  
TTAGCCACCCGGACTTTTAG

**FIG. 8B**

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